

Message

**From:** Casso, Ruben [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=E33DF0ABBBF049959E9100E556C7E634-CASSO, RUBEN]  
**Sent:** 4/2/2021 12:39:19 PM  
**To:** Tonya Baer [Tonya.Baer@tceq.texas.gov]  
**CC:** Robinson, Jeffrey [Robinson.Jeffrey@epa.gov]; Verhalen, Frances [verhalen.frances@epa.gov]  
**Subject:** TX Risk Assessment Emissions Data  
**Attachments:** TX\_facilities.xlsx; hem4\_users\_guide.pdf

Please see the attached emissions modeling file and summary for the Texas facilities listed below. We request that this file be reviewed and returned with changes (if applicable) by April 23<sup>rd</sup>.

You are welcome to share the data for each individual facility with those specific facilities, if that will facilitate this review. If you need additional time to respond, please let us know.

EPA region	Facility Name	Location	HEM Facility ID
6	Huntsman, Port Neches Operations	Port Neches, TX	48245110000504800
6	Eastman Chemical Texas Operations	Longview, TX	482034941511
6	Shell Technology Center Houston	Houston, TX	482013736811

The first 18 columns of the file (columns A through R) are the emission and source input parameters we currently have to model these facilities with the Human Exposure Model (HEM). The remaining columns (S through AG) are the National Emissions Inventory (NEI) data included to provide more detail on the processes and units associated with each emission point (SourceID). Each row represents a facility, emissions source, and pollutant. The 'SumEmissionTPY' (Column D) value is the emission total, in tons per year, attributed to each Facility ID, Source ID and Pollutant combination. Source types (column H) are either point (P) or area (A), and a small number of horizontal points (H). For area sources, the release parameters are given in columns I through N. For point sources, the release parameters are given in columns O through R.

Also attached is a copy of the HEM-4 Users Guide in case anyone wants further information on the HEM input columns (A through R). Specifically, this information can be found on page 33-38.

If any changes are suggested for the emissions file, please note them either in writing and/or highlighting within the file.

If there are further questions regarding the data in this file or the format, feel free to reach out to Michael Moeller at [moeller.michael@epa.gov](mailto:moeller.michael@epa.gov) and please cc: me at [casso.ruben@epa.gov](mailto:casso.ruben@epa.gov).

Thank you.

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